

Datasheet for ABIN7601243
anti-SHISA7 antibody (AA 308-535)



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Overview

Quantity:	100 µg
Target:	SHISA7
Binding Specificity:	AA 308-535
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHISA7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-SHISA7 Antibody Picoband®
Immunogen:	E.coli-derived human SHISA7 recombinant protein (Position: Y308-E535).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SHISA7 Antibody Picoband® (ABIN7601243). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SHISA7
Alternative Name:	SHISA7 (SHISA7 Products)
Background:	<p>Synonyms: Placenta-specific protein 9, PLAC9</p> <p>Tissue Specificity: Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon.</p> <p>Background: Shisa7, a single-passing transmembrane protein, localizes at GABAergic inhibitory synapses and interacts with GABA-A receptors. Shisa7 controlled receptor abundance at synapses and sped up the channel deactivation kinetics. Shisa7 also potently enhanced the action of diazepam, a classic benzodiazepine, on GABA-A receptors. Genetic deletion of Shisa7 selectively impaired GABAergic transmission and diminished the effects of diazepam in mic</p>
Molecular Weight:	70 kDa
Gene ID:	729956

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Mouse, Rat</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Han, W., Li, J., Pelkey, K. A., Pandey, S., Chen, X., Wang, Y.-X., Wu, K., Ge, L., Li, T., Castellano, D., Liu, C., Wu, L.-G., Petralia, R. S., Lynch, J. W., McBain, C. J., Lu, W. Shisa7 is a GABAA receptor auxiliary subunit controlling benzodiazepine actions. Science 366: 246-250, 2019. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 1/30/2017. 3. Pei, J., Grishin, N. V. Unexpected diversity in Shisa-like proteins suggests the importance of their roles as transmembrane adaptors. Cell. Signal. 24: 758-769, 2012.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.